

PROJECT DESCRIPTION

I. GENERAL

This project involves a lane use verification sign at the intersection of MD 177 and Lake Shore Road in Anne Arundel County. There is an existing Traffic Control Signal with interconnect at this intersection. MD 177 is assumed to run in a east-west direction.

II. INTERSECTION OPERATION

- There shall be no change to the existing NEMA phasing at this intersection. A Fiber optic lane use sign shall be installed over the right lane for westbound MD 177 at the traffic signal. The fiber optic sign shall be used to verify that the right lane is used for left turn and thru traffic during the inbound operation (two lanes eastbound).
- A full-traffic-actuated, eight-phase controller with all necessary equipment housed in a NEMA size "6" base-mounted cabinet shall remain in use at this intersection.

III. SPECIAL NOTES

- The Contractor shall be responsible for terminating all signal cables to the appropriate terminals and shall properly label each cable.
- All controller cabinet wiring will be performed by the S.H.A. Signal Shop. Contact Mr. Ed Rodenhizer at (410) 787-7650 seventy-two hours in advance of intended work.
- All underground and overhead utilities shown on these plans are schematic only and may not be complete. The Contractor shall be responsible for notifying Miss Utility prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal will occur, the Contractor shall notify the Project Engineer immediately so that the conflict may be resolved.

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY S.H.A.

ITEM NO.	DESCRIPTION	QUANTITY
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THERE IS NO EQUIPMENT TO BE SUPPLIED BY THE SHA.

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

ITEM NO.	DESCRIPTION	QUANTITY
1001	Maintenance of traffic per assignment.	1 EA
8067	Furnish and install 4" schedule 80 rigid polyvinyl chloride conduit - slotted.	85 L.F.
8084	Furnish and install electrical cable - 5 conductor (No. 14 AWG).	215 L.F.
Neg.	Furnish and install fiber optic sign, R3-6, "LEFT TURN AND THRU" sign, (30" x 36") mast arm mounted.	1 EA

C. EQUIPMENT TO BE REMOVED AND RETURNED TO SHA

ITEM NO.	DESCRIPTION	QUANTITY
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There are no signal materials to be removed at this intersection.

FIBER OPTIC PHASE CHART

SIGN #	27
INBOUND 2 LANES E/B	
INBOUND CHANGE CHANGE	
OFF PEAK	
OFF PEAK CHANGE	
OUTBOUND 2 LANES W/B	
OUTBOUND CHANGE	
OFF PEAK	
7:00 PM TO 6:30 AM OFF PEAK CHANGE	

NOTE: FIBER OPTIC SIGN # 27 IS TO BE DARK EXCEPT DURING THE INBOUND OPERATION (2 LANES EASTBOUND AND SINGLE LANE W/B)

The contact persons for District #5 are as follows:

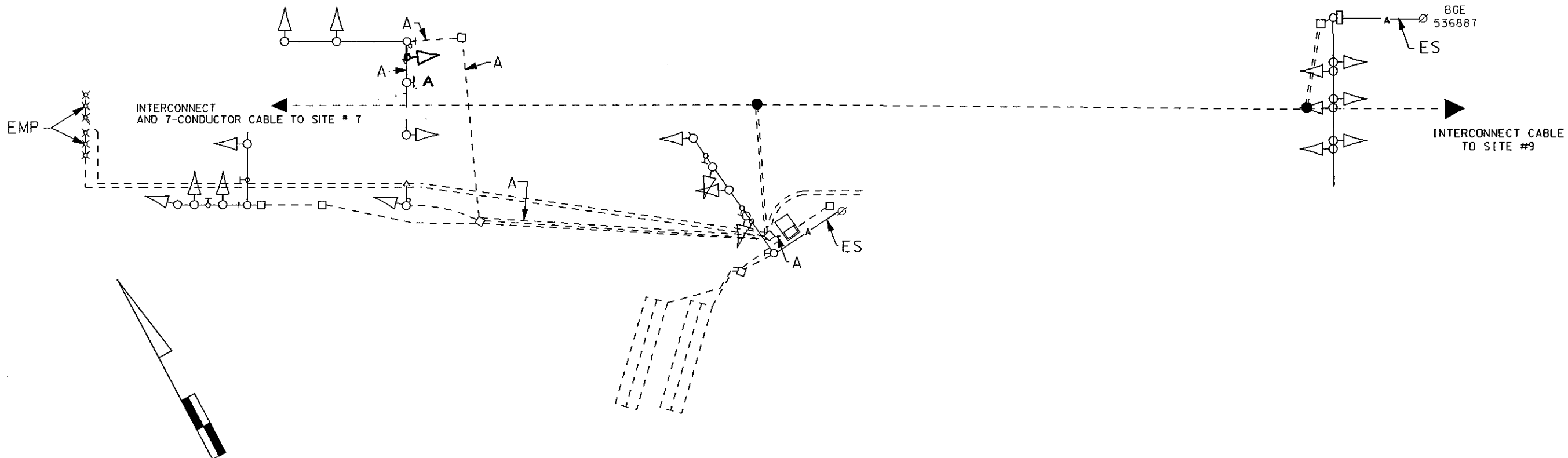
Mr. Lawrence Elliott
Assistant District Engineer - Traffic
Phone: (410) 841-1003

Mr. George Charles
Assistant District Engineer - Maintenance
Phone: (410) 841-1002

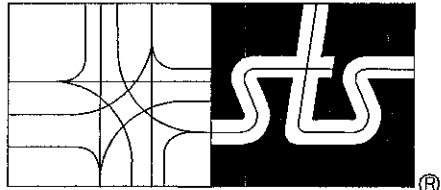
Mr. John Mays
Assistant District Engineer - Utility
Phone: (410) 841-1005

Mr. Richard L. Daff, Sr.
Chief, Traffic Operations Division
Phone: (410) 787-7630

WIRING DIAGRAM



WIRING KEY
A - 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
EMP- EXISTING MICROLOOP
EL- LOOP WIRE (NO. 14 A.W.G.) EXISTING
ES- EXISTING ELECTRICAL SERVICE TO BE MAINTAINED BY BGE



STREET TRAFFIC STUDIES, LTD.
400 Crato Hwy., NW,
Glen Burnie, MD 21061
Ph (410) 590-5500
Fax (410) 590-6637

416961.dgn



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
MD 177 @ LAKE SHORE ROAD

DRAWN BY: ROB CICCHINI
CHECKED BY: R. ZACHERL
SCALE: NONE
DATE: 7-25-02

F.A.P. NO.
S.H.A. NO. AA287A53
COUNTY: ANNE ARUNDEL
LOG MILE: Q2017706.13

TS NO.
1807C
T.I.M.S. NO.
F055

SHEET NO.
2 OF 2